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<10> Schmulling, Thomas
Werner, Tomas

<120> Method for modifying plant morphology, biochemistry and physiology

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<141> 2001-12-10

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 Ser Asp Leu Phe Asn Gly Val Leu Gly Gly Leu Gly Gln Phe Gly Ile
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 Ile Thr Arg Ala Arg Ile Ala Leu Glu Pro Ala Pro Thr Met Asp Gln
 225 230 235 240

Glu Gln Leu Ile Ser Ala Gln Gly His Lys Phe Asp Tyr Ile Glu Gly
 245 250 255
 Phe Val Ile Ile Asn Arg Thr Gly Leu Leu Asn Ser Trp Arg Leu Ser
 260 265 270
 Phe Thr Ala Glu Glu Pro Leu Glu Ala Ser Gln Phe Lys Phe Asp Gly
 275 280 285
 Arg Thr Leu Tyr Cys Leu Glu Leu Ala Lys Tyr Leu Lys Gln Asp Asn
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 Lys Asp Val Ile Asn Gln Glu Val Lys Glu Thr Leu Ser Glu Leu Ser
 305 310 315 320
 Tyr Val Thr Ser Thr Leu Phe Thr Thr Glu Val Ala Tyr Glu Ala Phe
 325 330 335
 Leu Asp Arg Val His Val Ser Glu Val Lys Leu Arg Ser Lys Gly Gln
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 Trp Glu Val Pro His Pro Trp Leu Asn Leu Leu Val Pro Arg Ser Lys
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 Ile Asn Glu Phe Ala Arg Gly Val Phe Gly Asn Ile Leu Thr Asp Thr
 370 375 380
 Ser Asn Gly Pro Val Ile Val Tyr Pro Val Asn Lys Ser Lys Trp Asp
 385 390 395 400
 Asn Gln Thr Ser Ala Val Thr Pro Glu Glu Glu Val Phe Tyr Leu Val
 405 410 415
 Ala Ile Leu Thr Ser Ala Ser Pro Gly Ser Ala Gly Lys Asp Gly Val
 420 425 430
 Glu Glu Ile Leu Arg Arg Asn Arg Arg Ile Leu Glu Phe Ser Glu Glu
 435 440 445
 Ala Gly Ile Gly Leu Lys Gln Tyr Leu Pro His Tyr Thr Thr Arg Glu
 450 455 460
 Glu Trp Arg Ser His Phe Gly Asp Lys Trp Gly Glu Phe Val Arg Arg
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<210> 13

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

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<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

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<210> 15
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<220>
<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

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gcggtaccag agagagaaac ataaacaaat ggc 33

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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

<400> 16
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<210> 17
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

<400> 17
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<210> 18
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:oligonucleotide
 : primer or probe

 <400> 18

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 <210> 19
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:oligonucleotide
 : primer or probe

 <400> 19

 gcggtacccc cattaaccta cccgtttg 28

 <210> 20
 <211> 32
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 <213> Artificial Sequence

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 : primer or probe

 <400> 20

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 <210> 21
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 <212> DNA
 <213> Artificial Sequence

 <220>
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 : primer or probe

 <400> 21

 ggggtacctt gatgaatcgt gaaatgac 28

 <210> 22
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 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

<400> 22

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<210> 23

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

<400> 23

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<210> 24

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligonucleotide
: primer or probe

<400> 24

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<210> 25

<211> 1728

<212> DNA

<213> Arabidopsis thaliana

<400> 25

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<210> 26

<211> 1506

<212> DNA

<213> *Arabidopsis thaliana*

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<210> 27
 <211> 1572
 <212> DNA
 <213> *Arabidopsis thaliana*
 <400> 27

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<210> 28
<211> 1575
<212> DNA
<213> *Arabidopsis thaliana*

<400> 28

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 <211> 1611
 <212> DNA
 <213> *Arabidopsis thaliana*

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<210> 30
 <211> 1515
 <212> DNA
 <213> Arabidopsis thaliana

<400> 30
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<210> 31

<211> 84

<212> DNA

<213> *Arabidopsis thaliana*

<400> 31

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<210> 32

<211> 28

<212> PRT

<213> Arabidopsis thaliana

<400> 32

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<211> 2814

<212> DNA

<213> Arabidopsis thaliana

<400> 33

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<213> FAD binding domain motif

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